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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/589,562
				Filing Date	10/15/06 40 9/13/06
				First Named Inventor	Carles Puente Bialiarda
				Art Unit	NIA 2821
				Examiner Name	Not Yet Assigned <i>Maguire</i>
Sheet	1	of	1	Attorney Docket Number	68349-00027USPX

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ²
		Number-Kind Code ³ (if known)			
-HJ	A1*	US-6,314,273	11-06-2001	Matsuda et al.	
-HJ	A2*	US-6,421,016	07-16-2002	Phillips et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ²
		Country Code ³ -Number-Kind Code ⁴ (if known)			
-HJ	B1	EP-1 403 960	03-31-2004	NEC Corporation	
	B2	WO-2004/001894	12-31-2003	Fractus, S.A.	
	B3	WO-01/22528	03-29-2001	Fractus S.A.	✓
	B4	WO-01/54225	07-26-2001	Fractus, S.A.	
	B5	WO-02/084784	10-24-2002	NIPPON ELECTRIC CO	✓
-HJ	B6	WO-03/023900	03-20-2003	Fractus S.A.	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>[Signature]</i>	Date Considered	12/13/07
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/588,640
				Filing Date	February 28, 2006 9/13/06
				First Named Inventor	Carles Puente Baliarda
				Art Unit	NIA 2821
				Examiner Name	Not Yet Assigned <i>Neuwen</i>
Sheet	1	of	1	Attorney Docket Number	68349-00027USPX

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ³ (if known)		
-HN	A1*	US-4,504,834	03-12-1985	Garay et al.
	A2*	US-4,518,968	05-21-1985	Hately et al.
	A3*	US-5,347,291	09-13-1994	Moore
	A4*	US-6,100,855	08-08-2000	Vinson et al.
	A5*	US-6,426,722	07-30-2002	Sievenpiper et al.
	A6*	US-6,456,249	09-24-2002	Johnson et al.
	A7*	US-6,483,480	11-19-2002	Sievenpiper et al.
	A8*	US-6,483,481	11-19-2002	Sievenpiper et al.
	A9*	US-6,518,931	02-11-2003	Sievenpiper
	A10*	US-6,538,621	03-25-2003	Sievenpiper et al.
	A11*	US-6,552,696	04-22-2003	Sievenpiper et al.
	A12*	US-6,670,921	12-30-2003	Sievenpiper et al.
	A13*	US-6,670,932	12-30-2003	Diaz et al.
	A14*	US-6,690,327	02-10-2004	McKinzie, III et al.
	A15*	US-6,774,866	08-10-2004	McKinzie, III et al.
	A16*	US-20010033250-A1	10-25-2001	Keilen et al.
	A17*	US-20030071763-A1	04-17-2003	McKinzie et al.
↓	A18*	US-20030142036-A1	07-31-2003	Wilhelm et al.
	A19*	US-20030174092-A1	09-18-2003	Sullivan et al.
-HN	A20*	US-20040037052	02-26-2004	Wu et al.

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)		
-HN	B1	WO-03026064	03-27-2003	Koninklijke Philips Electronics NV
-HN	B2	WO-9839814	09-11-1998	Itron Inc
-HN	B3	EP-1067627	01-10-2001	Bosch Gmbh Robert
-HN	B4	GB-2112579	07-20-1983	National Research Development Corporation

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-HN	C1	LINDBERG, Peter et al, "A Bandwidth Enhancement Technique for Mobile Handset Antennas Using Wavetraps", IEEE Transactions on Antennas and Propagation, vol. 54, no. 8, August 2006, pages 2226-2233		

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Examiner Signature	<i>H. Ho</i>	Date Considered	12/13/07
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JUN 29 2007

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	10588640
Filing Date	2006-09-08
First Named Inventor	CARLES PUENTE BALIARDA
Art Unit	2821
Examiner Name	NOT YET ASSIGNED <i>Nayyan</i>
Attorney Docket Number	68349-00027USPX

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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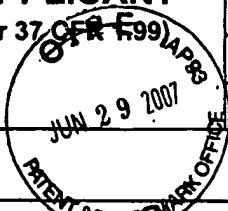
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<i>HN</i>	1	9950929	WO	A1	1999-10-07	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA		<input type="checkbox"/>
<i>HN</i>	2	1172884	EP	A2	2002-01-16	SONY CORPORATION		<input type="checkbox"/>

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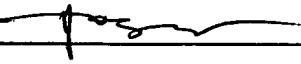
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99) 

Application Number	10588640
Filing Date	2006-09-08
First Named Inventor	CARLES PUENTE BALIARDA
Art Unit	2821
Examiner Name	NOT YET ASSIGNED <i>Nguyen</i>
Attorney Docket Number	68349-00027USPX

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
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⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

AUG 27 2007

Application Number 10588640

Filing Date 2005-02-28 9/18/06

First Named Inventor Carles Puente Bialiarda

Art Unit 2821

Examiner Name Not Yet Assigned Nguyen

Attorney Docket Number 68349-00027USPX

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STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

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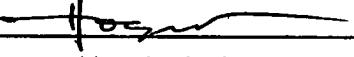
NON-PATENT LITERATURE DOCUMENTS							
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10588640
	Filing Date	2005-02-28 9/18/06
	First Named Inventor	Carles Puente Bialiarda
	Art Unit	2821
	Examiner Name	Not Yet Assigned Nguyen
	Attorney Docket Number	68349-00027USPX

HN	1	ICHELIN, Use of balun chokes in small-antenna radiation measurements, IEEE Transactions on Instrumentation and Measurement, April 2004, Vol. 53, No. 2	<input type="checkbox"/>
HN	2	KIVEKAS, Design of high-efficiency antennas for mobile communications devices, Helsinki University of Technology, August 2005	<input type="checkbox"/>

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